

# STANDARDIZED BIRTH PREVALENCE RATIOS AND CONFIDENCE INTERVALS BY COUNTY

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Estimated annual birth defect counts are calculated with methodology used in Parker et al., 2010 (Ref). These estimates are based on the annual number of births (live birth and fetal death) using 2004-2006 data excluding military births for San Diego, Orange, and Central Valley Counties (Fresno, Kern, Kings, Madera, Merced, San Joaquin, Stanislaus, and Tulare). Complete formulas for estimates are as follows:

- Estimated Annual Number of Cases by County
  1.  $\text{County\_Case} = \{\text{Case/LiveB}\} * \text{County\_LB}$   
where Case = Total number of cases in the above mentioned 10 counties  
LiveB = Total number of live births in the above mentioned 10 counties  
County\_LB = Total number of live births in the county of interest
  2.  $\text{Ann\_CountyCase} = \text{County\_Case}/\text{No. of years of data}$   
where County\_Case is derived in 1).

References:

1. Parker, S. et al. (2010). Updated National Birth Prevalence Estimates for Selected Birth Defects in the United States, 2004-2006. Birth Defects Research (Part A: Clinical and Molecular Teratology) 88:1008-1016.